



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/743,690

DATE: 05/08/2002

TIME: 13:32:32

Input Set : A:\20829-1.app

Output Set: N:\CRF3\05082002\I743690.raw

p.6

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3 <110> APPLICANT: Christeller, John Tane
4   Sutherland, Paul William
5   Murray, Colleen
6   Markwick, Ngairi Patricia
7   Philip, Bruce Allan
8   Malone, Louise Anne
9   Burgess, Elisabeth Phyllis
10  Phung, Margaret Mary
11  Phung, Thai Hong
12  The Horticulture and Food Research Institute of
13  New Zealand Limited
15 <120> TITLE OF INVENTION: Chimeric Polypeptides Allowing Expression of
16  Plant-Noxious Proteins
18 <130> FILE REFERENCE: 020829-000100US
20 <140> CURRENT APPLICATION NUMBER: US 09/743,690
21 <141> CURRENT FILING DATE: 2001-01-12
23 <150> PRIOR APPLICATION NUMBER: NZ 331002
24 <151> PRIOR FILING DATE: 1998-07-15
26 <150> PRIOR APPLICATION NUMBER: WO PCT/NZ99/00110
27 <151> PRIOR FILING DATE: 1999-07-15
29 <160> NUMBER OF SEQ ID NOS: 18
31 <170> SOFTWARE: PatentIn Ver. 2.1
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45 <223> OTHER INFORMATION: PPI-I/pUC19
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49 ctcttggcac gaaaagaaag tgatggacca gagatcttag aacttcaaaa ggaatttgaa 120
50 tgcaatggaa aacaaagggt gccagaactt attggtgtac caacaaagct tgctaagggg 180
51 ataattgaga aggaaaattc actcataact aatgttcaga tactactgaa tggttctcca 240
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58 <212> TYPE: DNA

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78 aaagtgtctg ctgactggga aatggaccaa cgatctgggc tccaacatga ccacatcaaa 180
79 tgtgaacagc agaggtgaat tcacaggcac ctacatcaca gccgtaacag ccacatcaaa 240
80 tgagatcaaa gagtcaccac tgcattggac acaaaacacc atcaacaaga ggacccagcc 300
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82 gtgcttcata gacaggaatg ggaaggaggt cctgaagacc atgtggctgc tgcggtcaag 420
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105 taacgctgaa agccgttatg ttctgaccgg tcgttacgac tctgtccgg ctaccgacgg 180
106 ttctggtact gctctgggtt ggaccgttgc ttggaaaaac aactaccgta acgctcactc 240
107 tgctaccacc tggctgtggc agtacgttgg tgggtgtgaa gctcgtatca acacccagt 300
108 gctgctgacc tctggtacca ccgaagctaa cgcttggaat tctaccctgg ttggtcacga 360
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134 atatacacac aagtagtttt atttttttcc tttatattat atttggtgta ggaatatttc 180
135 tacttgtagt cgtggtggaa catgttgatg cgaagatctg tactaaagaa tgtggtaatc 240
136 ttgggtttgg gatatgccca cggtcagaag gaagtcgcaa aaatcccata tgcatacaatt 300
137 gttgctcagg ctataagggg tgtaattatt atagtgtttt cgggagattt atttgcgaag 360
138 gagaatctga cctaaaaaac ccaaaagcgt gccccctaaa ttgtgataca aatattgcct 420
139 attcaagatg cccccattca gaaggaaaat cgctaattta tcccaccgga tgtaccacat 480
140 gttgcacagg gtacaagggg tgctactatt tcggtaaaaa tggcaagttt gtatgcgaag 540
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177 gtcaattgga agttttcaga gtccaccact gtcttcacgg gccagtgtt catagacagg 360
178 aatgggaagg aggtcctgaa gaccatgtgg ctgctgcgg caagtgttaa tgacattggt 420
179 gatgactgga aagctaccag ggtcggcatc aacatcttca ctcgcctgcg cacacagaag 480
180 gagtga 486

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Input Set : A:\20829-1.app

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196 20 25 30
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198 35 40 45
199 Ser Asn Met Thr Ile Gly Ala Val Asn Ser Arg Gly Glu Phe Thr Gly
200 50 55 60
201 Thr Tyr Ile Thr Ala Val Thr Ala Thr Ser Asn Glu Ile Lys Glu Ser
202 65 70 75 80
203 Pro Leu His Gly Thr Gln Asn Thr Ile Asn Lys Arg Thr Gln Pro Thr
204 85 90 95
205 Phe Gly Phe Thr Val Asn Trp Lys Phe Ser Glu Ser Thr Thr Val Phe
206 100 105 110
207 Thr Gly Gln Cys Phe Ile Asp Arg Asn Gly Lys Glu Val Leu Lys Thr
208 115 120 125
209 Met Trp Leu Leu Arg Ser Ser Val Asn Asp Ile Gly Asp Asp Trp Lys
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227 <222> LOCATION: (1)..(626)
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232 <222> LOCATION: (585)
233 <223> OTHER INFORMATION: n = g, a, c or t
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238 atatacacac aagtagtttt atttttttcc tttatattat atttggttga ggaatatttc 180
239 tacttgtagt cgtggtggaa catgttgatg cgaagatctg tactaagaat tcgcatatgg 240

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 242 gttatgttct gaccggtcgt tacgactctg ctccggctac cgacggttct ggtactgctc 420
 243 tgggttggtgac cggttgcttg aaaaacaact accgtaacgc tcaactctgt accacctggt 480
 244 ctggccagta cggttggtggt gctgaagctc gtatcaacac ccagtggctg ctgacctctg 540
 245 **gtaccaccga agctaacgct tggaaatcta ccctggttgg tcacnacacg ttcaccaaag** 600
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254 <220> FEATURE:

255 <223> OTHER INFORMATION: Description of Artificial

256 Sequence:PPI-II/Streptavidin fusion protein

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 262 20 25 30

263 Ile Cys Thr Lys Asn Ser His Met Ala Glu Ala Gly Ile Thr Gly Thr
 264 35 40 45

265 Trp Tyr Asn Gln Leu Gly Ser Thr Phe Ile Val Thr Ala Gly Ala Asp
 266 50 55 60

267 Gly Ala Leu Thr Gly Thr Tyr Glu Ser Ala Val Gly Asn Ala Glu Ser
 268 65 70 75 80

269 Arg Tyr Val Leu Thr Gly Arg Tyr Asp Ser Ala Pro Ala Thr Asp Gly
 270 85 90 95

271 Ser Gly Thr Ala Leu Gly Trp Thr Val Ala Trp Lys Asn Asn Tyr Arg
 272 100 105 110

273 Asn Ala His Ser Ala Thr Thr Trp Ser Gly Gln Tyr Val Gly Gly Ala
 274 115 120 125

275 Glu Ala Arg Ile Asn Thr Gln Trp Leu Leu Thr Ser Gly Thr Thr Glu
 276 130 135 140

277 Ala Asn Ala Trp Lys Ser Thr Leu Val Gly His Asp Thr Phe Thr Lys
 278 145 150 155 160

279 Val Lys Pro Ser Ala Ala Ser Ile
 280 165

283 <210> SEQ ID NO: 10

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289 <221> NAME/KEY: CDS

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294 <221> NAME/KEY: sig_peptide

295 <222> LOCATION: (50)..(121)

296 <223> OTHER INFORMATION: signal sequence

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/743,690

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:15; N Pos. 1
Seq#:16; N Pos. 1